

Name: \_\_\_\_\_

David needs two new pairs of jeans for school. The kind he likes is on sale at Fantastic Finds for \$26.95 per pair. He found two pairs in his size and paid for them with a \$100 bill. How much change did he receive?

Jason left school with \$15. He had \$3.50 left after buying a book about inventors for \$6.65, 2 snacks for \$0.75 each, a drink for \$1.30, and paying for a bus ride home. How much did he pay for the bus ride?

Nathan saw a sign in the hardware store that read, "Masking tape: \$1.91 per roll or \$10 for a box of 6 rolls". How much will Nathan save if he buys a box of masking tape instead of 6 separate rolls?

Name: \_\_\_\_\_

$$\begin{array}{r} 5.1 \\ - 4.795 \\ \hline \end{array}$$

$$1,000 \times 17.9184 =$$

$$\begin{array}{r} 4.43 \\ \times \quad 4 \\ \hline \end{array}$$

$$0.014 \overline{) 0.00133}$$

Write each as a decimal.

$$11\frac{3}{10} =$$

$$18\frac{73}{100} =$$

$$8\frac{67}{100} =$$

$$12\frac{4}{10} =$$

$$18\frac{25}{100} =$$

$$1\frac{16}{100} =$$

$$\begin{array}{r} 9,064,024.2 \\ 499,300 \\ + 345,448 \\ \hline \end{array}$$

$$10 \times 17.5 =$$

Write the decimal number for:  
five hundred seventy and  
seventy-nine  
ten-thousandths

$$\begin{array}{r} 13.09 \\ \times \quad 0.2 \\ \hline \end{array}$$

$$290 \overline{) 17.4}$$

$$750 \overline{) 0.6}$$

$$0.21 \overline{) 0.7413}$$

Name: \_\_\_\_\_

Max bought a new car. He found out that insurance on the car would cost him \$234.58 for a year. If he wants to add collision insurance, it will cost an extra \$13.49 per month. What will the yearly cost for Max's car be, if he adds collision insurance?

The science club wants to make copies of a poster to let people know about the documentary on polar bears. Copies of the poster will cost \$0.67 each for the first 25 copies and \$0.51 for each additional copy. Write an expression to show the cost for 65 copies of the poster.

Put one line under the smallest number. Put two lines under the next smallest, and so on. The largest number should have 4 lines under it.

-11.3

-11.4

4.1

4.5

Jen is really into science. She invented a robotic bug that burps. Her brother loves it, so she wanted to burp her brother today. She checked her phone, and her brother is currently 1.3 miles away. After she set the coordinates on the phone the robotic bug left. She got a burp confirmation 100.1 seconds later when it reached her brother. How fast did this burping bee travel in miles per hour?

Name: \_\_\_\_\_

There are 2 prime numbers greater than 17 but less than 27. Name them.

$$27 + n = 46$$

$$12 + 54 \div 6$$

How many meters are there in 48 kilometers?

Circle the three numbers whose product equals 588.

12      7      12

7      11      10

$$6 \frac{1}{4} + 3 \frac{2}{4}$$

Yummy Donuts gave three dozen chocolate donuts and six dozen jelly donuts to the school. How many donuts did they give?

Name: \_\_\_\_\_

At the mud factory, Purple's job is to scoop up mud and make it into kilogram blocks of mud. She loves her job! Today there were 5,777,687 milligrams of mud trucked in. Each mud block is precisely 1 kilogram, no less, no more. How many mud blocks can she make today?

A rectangle is 28 cm on one side and 15 cm on another side. What is the perimeter?

It was 93 degrees outside. What would the temperature be if it got 11 degrees colder?

How many centimeters in 720.8 meters?

Write the missing family fact.

$$17 \times 9 = 153$$

$$153 \div 17 = 9$$

$$9 \times 17 = 153$$

Estimate quickly the difference.  
4,070 - 1,150

How many centimeters in 8.5 meters?

Rosa rolls a die. What is the chance of her rolling a 1?

\_\_\_\_\_

$$56 \div 7 = \underline{\hspace{2cm}}$$

$$1 \text{ cm} = 10 \text{ mm}$$

$$25 \text{ cm} = \underline{\hspace{2cm}} \text{ mm}$$

Name: \_\_\_\_\_

<p>Sara goes to four classes per day. Each class lasts <math>1\frac{1}{3}</math> of an hour. How many hours per week does she spend in classes?</p>	<p>Eric drew a rectangle that was 6 inches wide and 13 inches long. Inside the rectangle he drew a triangle. What is the area of the largest triangle he could draw inside the rectangle? (Use only whole numbers for measurements.)</p>	<p>Ava is buying drinks for the Lewis Carroll's Birthday celebration at school. One can of Cheshire Cat Cola holds 290 ml. A six-pack of cans costs the same as a 2-L bottle of CC Cola. How much more soda is in the 2-L bottle than in the six-pack of cans?</p>
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$4 \times 9 = \underline{\hspace{2cm}}$	$7 \times 8 = \underline{\hspace{2cm}}$	<p>Rewrite these in increasing order of length: 3 dm, 129 km, 61 mm, 126 cm, 245 m</p>

$15 \text{ kg} = \underline{\hspace{2cm}} \text{ g}$	<p>Which is the better buy? Nine bags of candy for \$63 or five bags of candy for \$45?</p>	$\begin{array}{r} 82 \\ - 38 \\ \hline \end{array}$
$3 \times 10 = \underline{\hspace{2cm}}$		

$83,266 + 94,553 = \underline{\hspace{2cm}}$	$\begin{array}{r} 22 \\ + 49 \\ \hline \end{array}$	$99 \div 9 = \underline{\hspace{2cm}}$
$86,751 - 13,244 = \underline{\hspace{2cm}}$		

Name: \_\_\_\_\_

$\begin{array}{r} 257 \\ + 356 \\ \hline \end{array}$	$24 \div 2 = \underline{\hspace{2cm}}$	<p>Can 293 be evenly divided by 3? Circle:</p> <p>293 is evenly divisible by 3</p> <p>293 is NOT evenly divisible by 3</p>
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<p>Wendy likes to change numbers into a secret letter form. Wendy changed the number 33 to GG. Wendy changed the number 999,875 to GGGGGG. Wendy changed the number 6,273 to GGGG. Wendy changed the number 522 to GGG. How do you think she would change the number 96,973?</p> <p>_____</p>	<p>What time is 14 hours after 2:00 p.m.?</p> <p>_____</p>	$\begin{array}{r} 420 \\ - 367 \\ \hline \end{array}$
	$12 \times 4 = \underline{\hspace{2cm}}$	

<p>What number is halfway between 9 and 17?</p>	$3 \times 4 = \underline{\hspace{2cm}}$
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<p>Anne is a family friend. She will be picking you up from school and driving you to a bank. Where should she go? Write instructions to explain how she could get there and where you will be going.</p>	$22 \div 11 = \underline{\hspace{2cm}}$
	$5 \times 5 = \underline{\hspace{2cm}}$

Name: \_\_\_\_\_

The product of two consecutive whole numbers is 90. What are the two consecutive whole numbers?	$42 \div 7 =$	$2 \times 11 =$ _____
		$4 \times 10 =$ _____

How many grams are in 8 kilograms? _____ grams	Wendy makes a basket for every four attempts that she makes. Emma needs seven attempts to make a basket. Each basket is worth 2 points. If they each make 56 attempts, then what is the score?
$4 \times 3 =$ _____	
$8 \times 3 =$ _____	

Write an equation to represent this: The sum of six and four is ten. _____	$938 + 716 =$ _____

$80 \div 10 =$	Circle the greatest number: 358,078,265,319    909,142,067 39,626,841,735    5,417,028	$9 \times 5 =$ _____

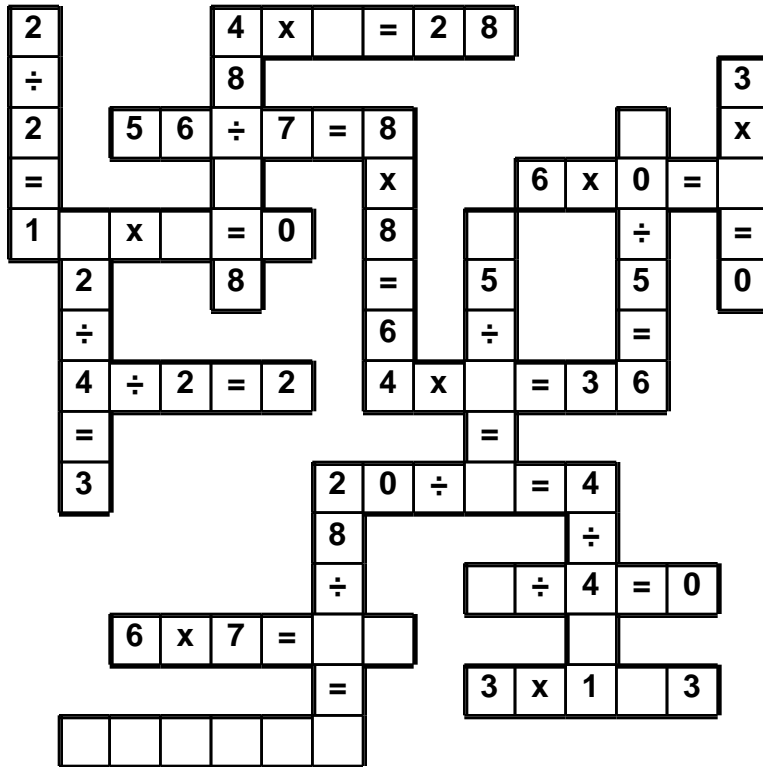
Max has four dimes, three nickels, and one penny. He also has one other coin that is different from the rest of his coins. How much could he have?	$665 - 365 =$ _____
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Name: \_\_\_\_\_

7 • 3 • 6 • 0 • 1 • 0 • 4 • 9 • 5 • 0 • 4 • 2 • = • = • 3 • 5 • ÷  
5 • = • 7

Use the pieces above to help you fill in the runaway math puzzle.



Can 972 be evenly divided by 9? Circle:  
972 is evenly divisible by 9  
972 is NOT evenly divisible by 9

You are given three cards. One card has the number 1 on it, another card has a 2, and the last card has the number 3 on it. Use two cards to make a fraction. What is the smallest fraction that you can make?

Name: \_\_\_\_\_

Only use a pencil to write the numbers on the blank lines. You do not need any scrap paper! Solve it in your head. If you forget a number, then start over. Cool, huh?

# Mental Math



= Do it  
in your  
head!

imagine 6 in your head

subtract 5

add 9

Write the tens digit.

\_\_\_\_\_  
A

imagine 4 in your head

multiply 5

subtract 6

subtract 9

Write the number.

\_\_\_\_\_  
B

imagine 5 in your head

subtract 3

multiply 9

add 7

Add the tens digit to  
the ones digit.  
Write the sum.

\_\_\_\_\_  
C

imagine 2 in your head

add 6

add 7

double it

subtract 7

subtract 8

Write the tens digit.

\_\_\_\_\_  
D

What is the sum?

$A + B + C + D$

\_\_\_\_\_

Wow! Great job! That's the answer, but do you know how to SPELL the number?

\_\_\_\_\_ r \_\_\_\_\_ t \_\_\_\_\_

5 before 14 \_\_\_\_\_

1 after 13 \_\_\_\_\_

2 after 12 \_\_\_\_\_

9 before 11 \_\_\_\_\_

3 after 17 \_\_\_\_\_

4 after 11 \_\_\_\_\_

7 before 18 \_\_\_\_\_

9 after 14 \_\_\_\_\_

5 after 16 \_\_\_\_\_

Name: \_\_\_\_\_

32% of 250 =

$$\frac{32}{100} \times 250 = 0.32 \times 250 =$$

$$\begin{array}{r} 0.32 \\ \times 250 \\ \hline \end{array}$$

34% of 50 =

$$\frac{34}{100} \times 50 = 0.34 \times 50 =$$

$$\begin{array}{r} 0.34 \\ \times 50 \\ \hline \end{array}$$

25% of 720 =

$$\frac{25}{100} \times 720 = 0.25 \times 720 =$$

$$\begin{array}{r} 0.25 \\ \times 720 \\ \hline \end{array}$$

50% of 24 =

$$\frac{50}{100} \times 24 = 0.50 \times 24 =$$

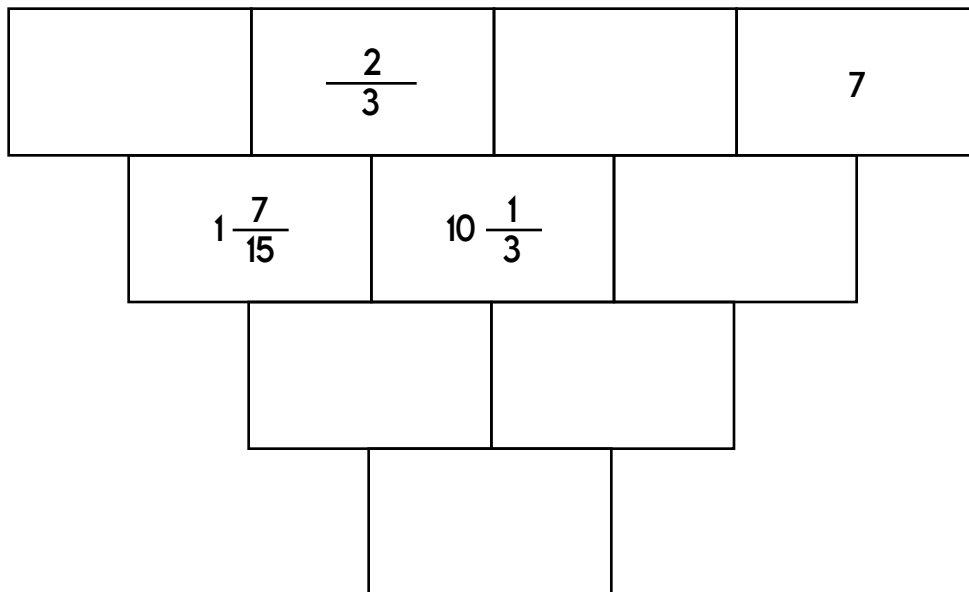
$$\begin{array}{r} 0.50 \\ \times 24 \\ \hline \end{array}$$

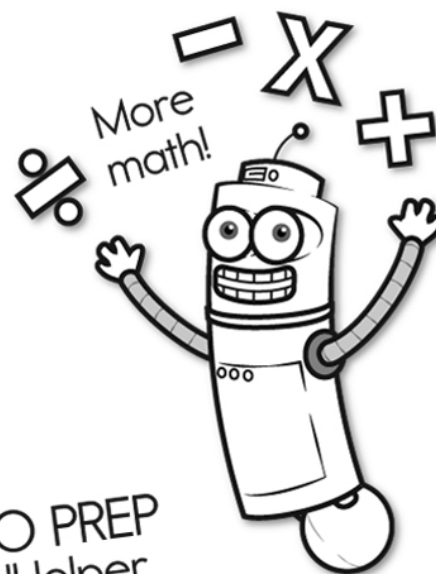
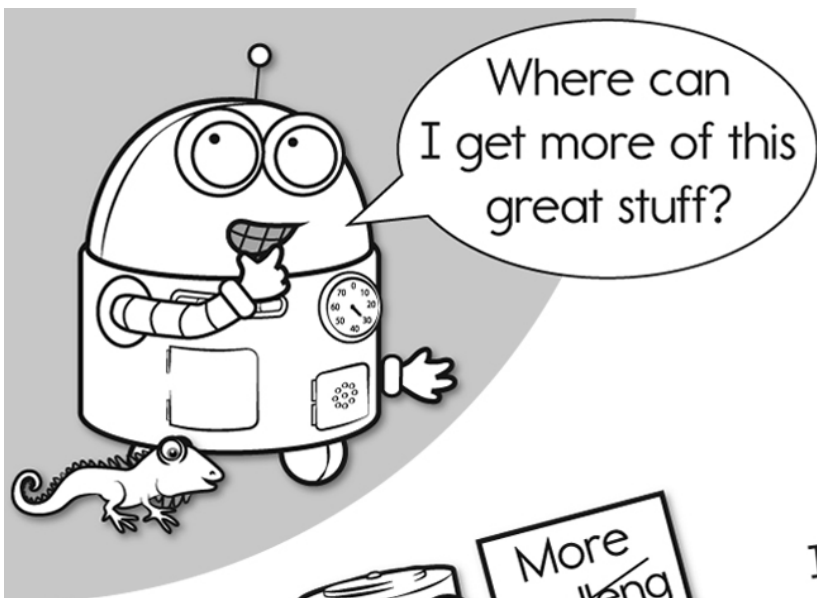
70% of 450 =

86% of 50 =

Name: \_\_\_\_\_

<p>Eight of the members of the Genealogy Club went on the field trip to the State Division of Vital Statistics. The other 18 members did their research in the library. What is the ratio of students that worked in the library to the total club membership?</p>	<p>Captain Mathews wore his hat for eighteen hours every day. If Captain Mathews didn't have his hat on, his boat was anchored. In fifteen days his boat sailed 1,350 miles. What was the average number of miles per hour his boat traveled?</p>	<p>Mr. Jackson's class took a survey on Pandemonium Day. Two-thirds of the students at Mountain Valley School believe they are organized. The rest of the students feel disorganized. If 162 students feel disorganized, how many students were surveyed?</p>
<p>When Eric had a cold, he drank 3 glasses of juice each day. Each glass contained 400 milliliters. Jacob drank 1 liter of juice each day. How much more juice did Eric drink than Jacob?</p>	<p>According to a survey, 82% of adults in the United States pray at least once a week. Out of a group of 17,500 adults, approximately how many pray at least once a week?</p>	<p>The mass of Maria's cat is 22 grams more than Holly's cat. Amanda's cat is 28 grams more than twice the mass of Holly's cat. Holly's cat's mass is 1,419 grams. What is the mass of Amanda's cat?</p>

[illegible]
$$24 \div 3 = \underline{\hspace{2cm}}$$

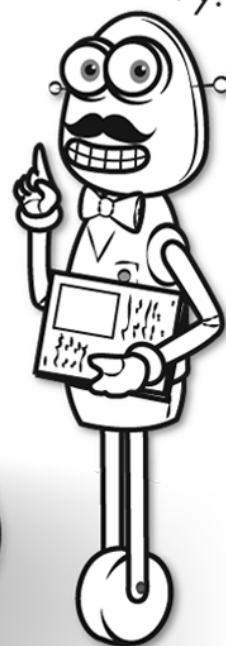


It's NO PREP at edHelper.

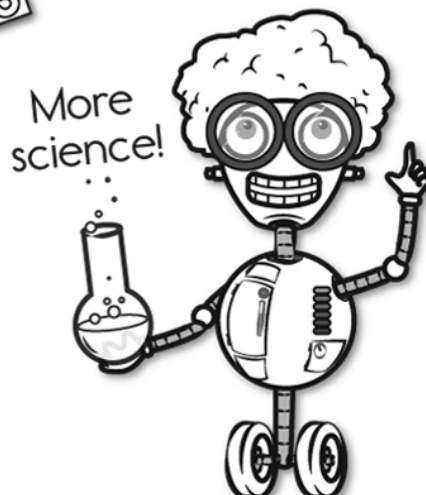
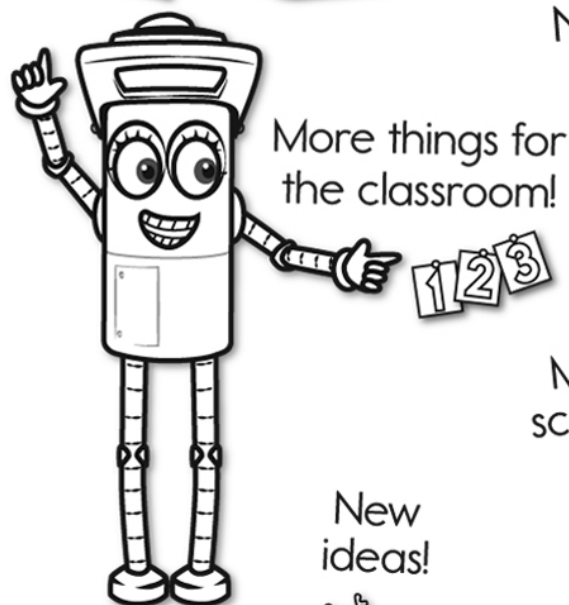
More history!



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$\times$   $=$   $-$   $\div$   $<$   $-$   $>$

More puzzles!

